Attachment S -
Pine Chapel Maintenance Yard

Corrected –
Page 4, Photo 4,
to reference Photo 3 instead of Photo 1

Chuck Stadel, 6/4/14

VDOT MS4 (General Permit No. VAR04)
Pine Chapel Area Headquarters
VDOT District No. 5

Facility Name: Pine Chapel Area Headquarters
Location: 150 E Street, Hampton, VA, 23661
Latitude: N 37.00792* **Longitude** W 76.40686*

Date of Visit: October 24, 2012
Entry Time: 10:50 a.m. (approx)
Exit Time: 11:56 a.m. (approx)

Site Owner and/or Operator: VDOT – Hampton Roads District

Site Contacts: Barry Pulley (Tunnels Maintenance Superintendent, VDOT), James Wright (Facility Superintendent, VDOT), and Lloyd Bolick (Equipment Repair Tech, VDOT)

Conducted by: Bobby Jacobsen (PG Environmental, LLC), Chuck Schadel (U.S. EPA Region 3), Kyle Zieba (U.S. EPA Region 3), and Kaitlin McCann (U.S. EPA Region 3)

Accompanied by[1]**:** Jeff Selengut (Permit Writer, Virginia DCR), Roy Mills (Program Administrator, VDOT), Sharon Harless (VDOT Consultant, EEE Consulting, Inc.), Ian Frost (VDOT Consultant, EEE Consulting, Inc.), Ed Wallingford (VDOT), and John Olenik (Engineer I, VDOT)

Site Visit Report Prepared by: Bobby Jacobsen (PG Environmental, LLC)

On October 24, 2012, the EPA Inspection Team inspected the Pine Chapel Area Headquarters Facility (also known as the "Peninsula Equipment Repair Shop"; hereinafter, Facility). Dry weather conditions were experienced throughout the inspection activities. Weather history reports from the National Oceanic and Atmospheric Administration station Norfolk Intl AP - 44-6139 indicated that on 10/18/2012, trace amounts of precipitation occurred and on 10/15/2012, 0.68"of precipitation occurred.

Based on a review and comparison of the Facility location and the United States Census 2000 Urbanized Area designation, it was determined that the Facility is located within the urbanized area. The main section of the Facility comprises multiple buildings (e.g., office buildings and storage buildings), a covered vehicle fueling island, vehicle washing area, vehicle/equipment storage areas, and an equipment maintenance shop. A salt storage dome is located in an additional section of the Facility located to the northeast of the main section. Various activities are conducted at the Facility, including the following: vehicle washing, storage, and fueling, vehicle and equipment maintenance, and equipment and material storage. Stormwater runoff from the Facility is primarily conveyed to on-site storm drain inlets which discharge to drainage ditches to the north of the main section of the Facility, and to the west and south of the salt storage dome.

The EPA Inspection Team observed the following with regard to pollution prevention and good housekeeping at the Facility:

[1] Sign-in sheets for the site visit are provided after the photograph log.

1. The VDOT Facility Superintendent explained that there was no formal documentation of inspections of the Facility for pollution prevention and good housekeeping are not conducted on a regular basis.
2. The VDOT Facility Superintendent explained that there was not a formal plan for addressing stormwater pollution prevention and good housekeeping at the Facility (e.g., Stormwater Pollution Prevention Plan).
3. The VDOT Consultant stated that EEE Consulting, Inc. had conducted an initial assessment of the Facility, including storm drain system and outfall mapping, which had been submitted to VDOT in draft form.
4. Floor trench drains were observed in the equipment maintenance shop building and the vehicle/equipment wash bay (see Photographs 1 and 2). The VDOT Equipment Repair Tech stated that he believed the floor drains were connected to an oil/water separator that discharged to the Hampton Roads Sanitation District sanitary sewer system. The VDOT Tunnels Maintenance Superintendent stated that he was pretty sure of this as well. The EPA Inspection Team did not view drainage schematics for the Facility to confirm this discharge location.
5. A storm drain drop inlet without BMPs for inlet protection was located about 60 feet to the south/southwest of the covered fueling island, directly to the west of the equipment maintenance shop (see Photographs 3 and 4).
6. Staining was observed on the impervious ground surface adjacent to the used oil storage container on the east side of the equipment maintenance shop building (see Photographs 5 and 6). A storm drain drop inlet without BMPs for inlet protection was located downgradient about 60 feet to the south/southeast of the used oil storage container (see Photograph 7). In addition, loose gravel was present adjacent to the storm drain inlet (see Photograph 7).
7. Sand and salt was present on the impervious ground surface in front of the salt storage dome in an area upgradient of a storm drain inlet without BMPs for inlet protection (see Photographs 8, 9, and 10). The VDOT Facility Superintendent explained that the storm drain inlet was equipped with a valve that could be engaged to divert flow to an underground storage tank rather than to the drainage ditch located about 50 feet to the west (see Photographs 11 and 12). He stated that the valve would be engaged at the beginning of the winter season so that the storm drain would direct flow to the underground storage tank during salt loading and unloading operations. The VDOT Facility Superintendent also explained that vehicles are washed at the end of "snow season" in the area directly in front of the salt storage dome. He stated that the valve would be opened after snow season was complete and that the valve was open at the time of the EPA Inspection Team's visit to the Facility. The VDOT Facility Superintendent stated that Bay Environmental was contracted to pump out the storage tank and dispose of the material.
8. A storm drain inlet without BMPs for inlet protection was located in an unpaved area about 120 feet to the southeast of the salt storage dome (see Photographs 13 and 14). It appeared to the EPA Inspection Team that asphalt had recently been applied around the edges of the storm drain inlet.
9. Staining of what appeared to be petroleum-based products was observed on the impervious ground surface adjacent to dump trucks and vacuum trucks stored near the spreader racks in the northeastern portion of the main section of the Facility (see Photographs 15 and 16). Sand, orange rust staining, and debris was also present on the impervious ground surface in this area (see Photographs 17, 18, and 19). A storm drain inlet without BMPs for inlet protection was located about 90 feet to the west. A photograph showing the storm drain inlet itself was not obtained by the EPA Inspection Team.

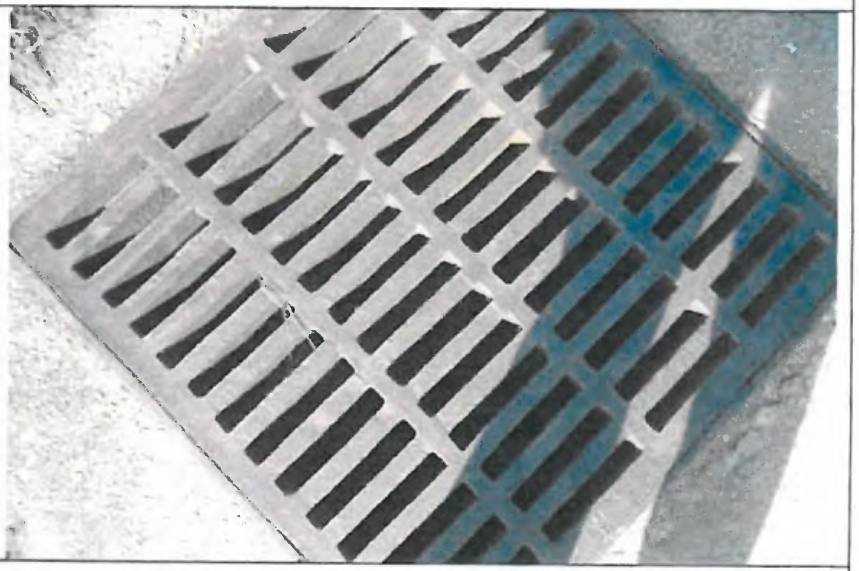
10. Sediment from vehicle tracking was observed on the impervious ground surface adjacent to the rock-lined entrance to the area where the salt dome was located, to the northeast of the main section of the Facility (see Photographs 20, 21, and 22). A storm drain inlet without BMPs for inlet protection was located about 175 feet to the southwest. A photograph showing the storm drain inlet itself was not obtained by the EPA Inspection Team.

Site Photographs	VDOT MS4 (General Permit No. VAR04) Pine Chapel Area Headquarters VDOT District No. 5	Photograph Date: 10/24/2012

Photograph 1 – View of floor trench drain in equipment maintenance shop building.

Photograph 2 – View of vehicle/equipment wash bay with floor trench drain.

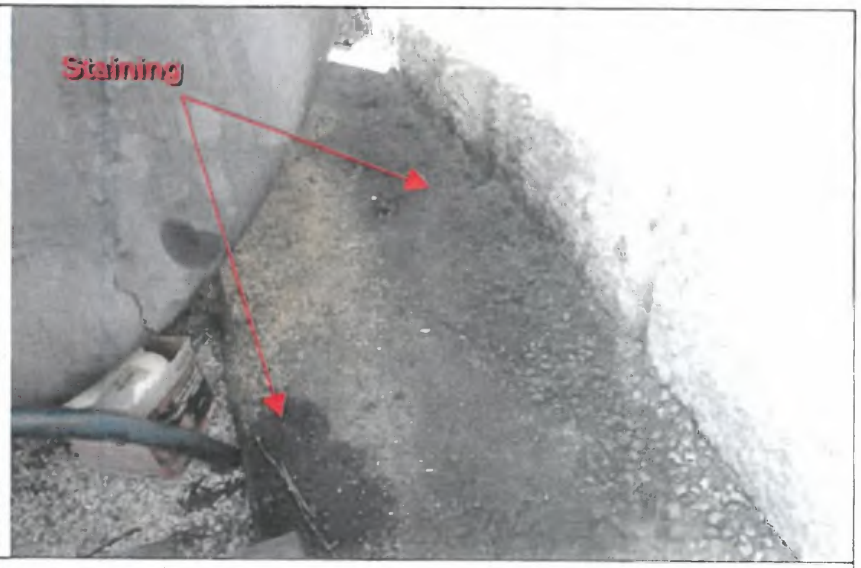
Photograph 3 – View of storm drain inlet without BMPs for inlet protection to south/southwest of covered fueling island.



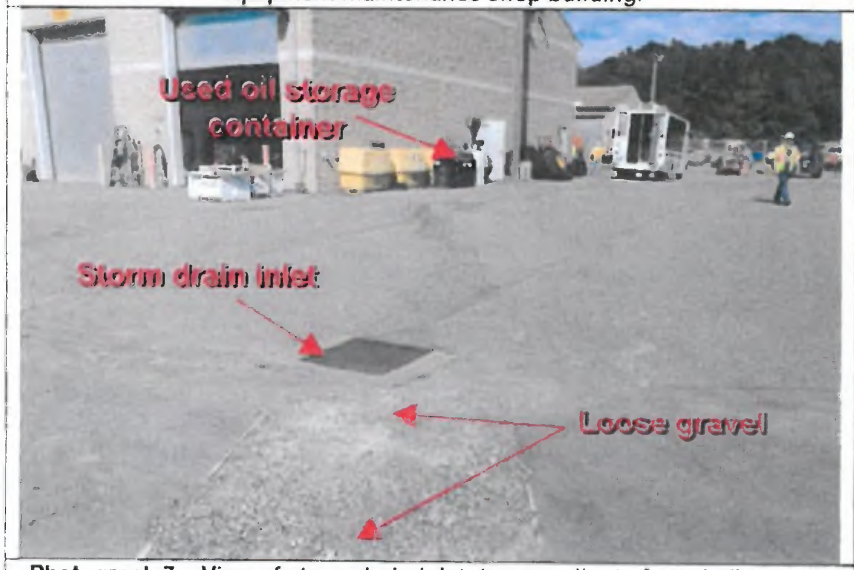
Photograph 4 – Close-up view of storm drain inlet shown in Photo 3

Site Photographs	VDOT MS4 (General Permit No. VAR04) Pine Chapel Area Headquarters VDOT District No. 5	Photograph Date: 10/24/2012

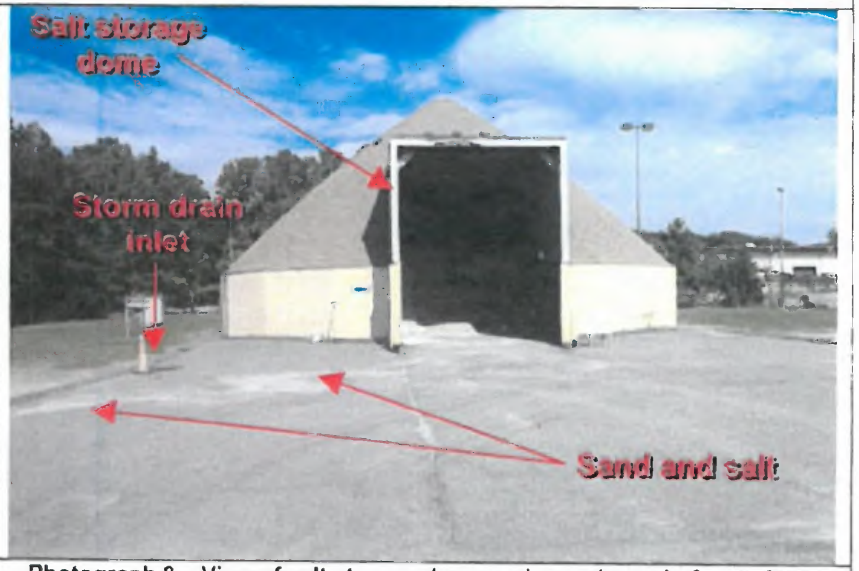
Photograph 5 – View of used oil storage container on east side of the equipment maintenance shop building.



Photograph 6 – Closer view of staining shown in Photo 5.



Photograph 7 – View of storm drain inlet downgradient of used oil storage container shown in Photo 5.



Photograph 8 – View of salt storage dome and paved area in front of salt storage dome.

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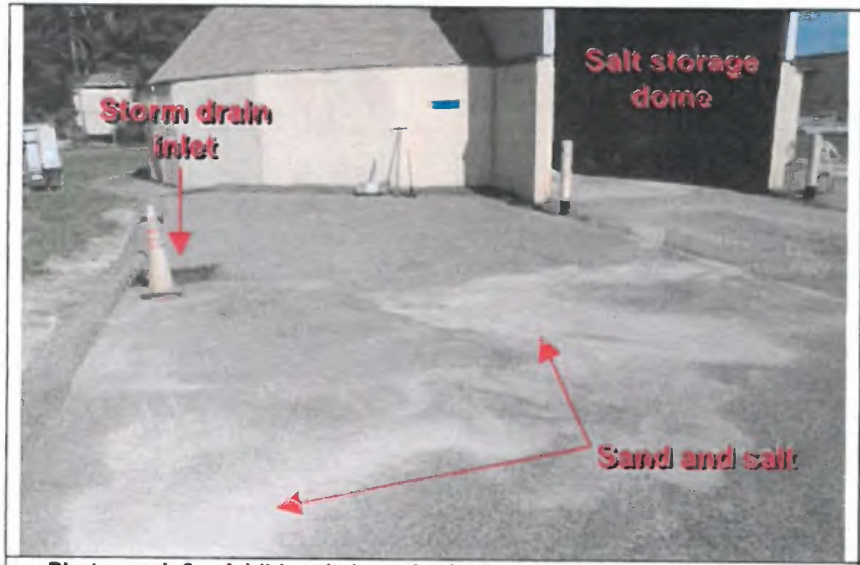

Photograph 9 – Additional view of salt storage dome and nearby storm drain inlet.

Photograph 10 – Additional view of salt storage dome and nearby storm drain inlet.

Photograph 11 – View of storm drain inlet shown in Photos 8, 9, and 10. Note access for operating diversion valve

Photograph 12 – View of area where underground storage tank is located and access manholes to the storage tank.

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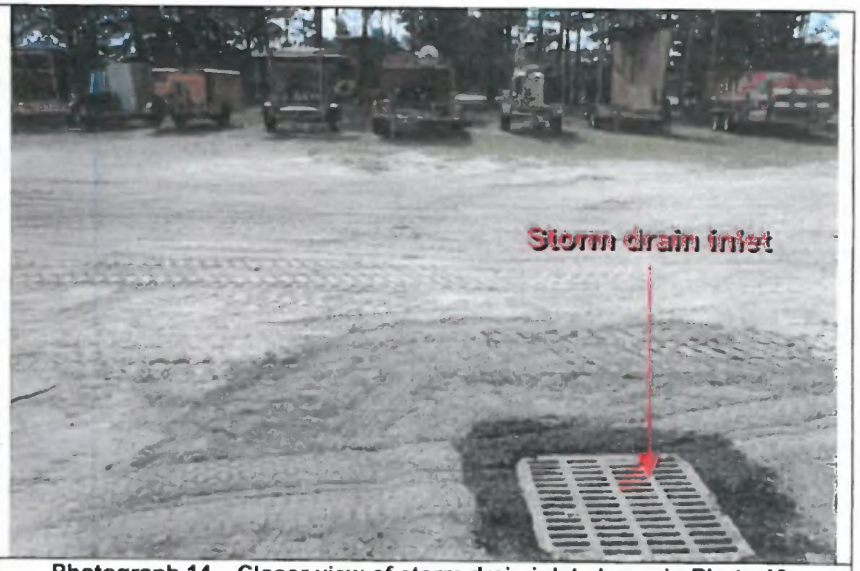
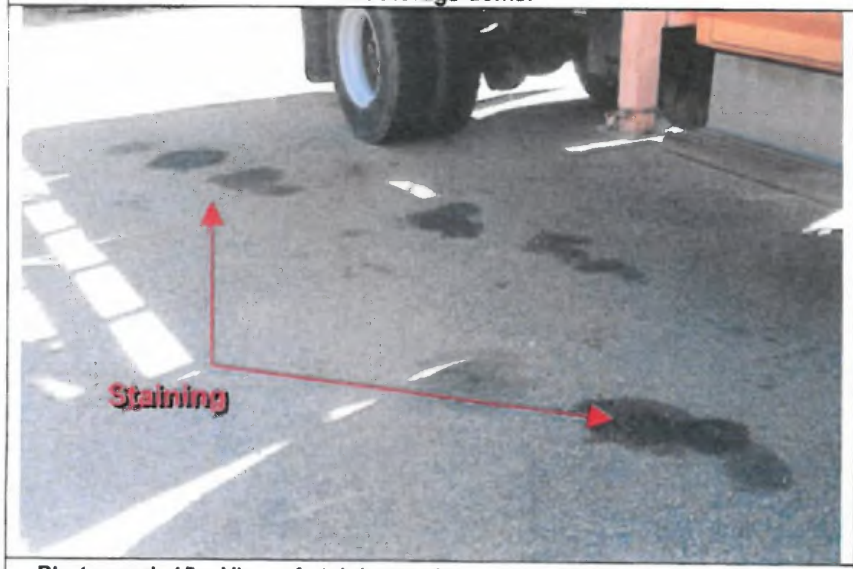
Photograph 13 – View of storm drain inlet in unpaved area to southeast of salt storage dome.



Photograph 14 – Closer view of storm drain inlet shown in Photo 13.
[NOTE: Do we have a discharge point photo for this ?]



Photograph 15 – View of staining on impervious ground surface near the spreader racks in the northeastern portion of the main section of the Facility.

Photograph 16 – Additional example of staining on impervious ground surface.

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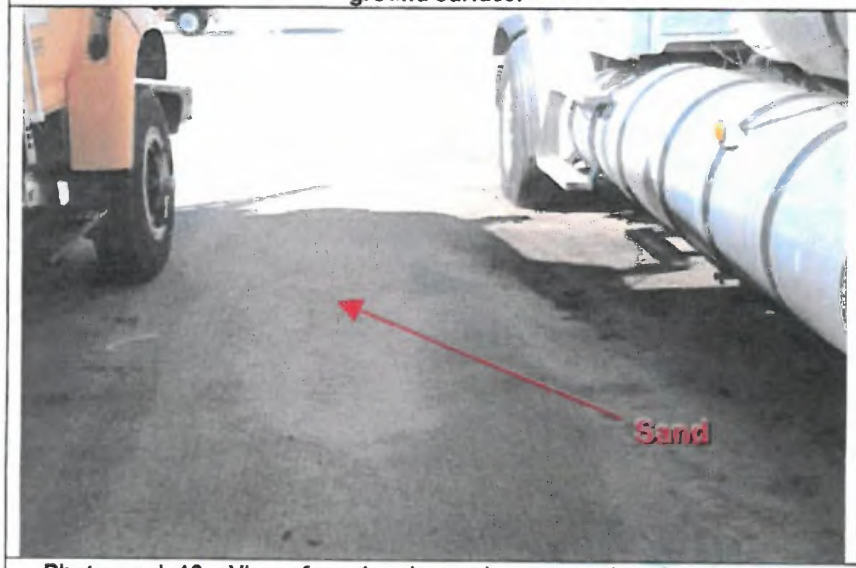
Photograph 17 – View of sand and orange rust staining on impervious ground surface.

Photograph 18 – Additional example of orange rust staining and debris on impervious ground surface.



Photograph 19 – View of sand on impervious ground surface between a dump truck and a vacuum truck.

Photograph 20 – View of entrance to area with salt storage dome. Note presence of sediment from vehicle tracking on impervious ground surface.

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Photograph 21 – Closer view of rock-lined entrance to area with salt storage dome.

Photograph 22 – View from rock-lined entrance shown in Photo 21 toward main section of Facility to the southwest.

Sign-in Sheet	VDOT MS4 (General Permit No. VAR04) Pine Chapel Area Headquarters VDOT District No. 5	Site Visit Date: 10/24/2012

VIRGINIA DEPARTMENT OF TRANSPORTATION
SITE VISIT ATTENDANCE RECORD

Location: Peninsula Shop / Pine Chapel AHQ		
Visit Date: 10/24	Start Time: 11:00	End Time:
Roster Administration Notes:		

	First Name	Last Name	Affiliation (VDOT, EPA, EEE, etc.)	Attendees Signature
1.	Ian	Frost	EEE	[signature]
2.	Jeff	Selengut	DCR	[signature]
3.	Chuck	Schadel	USEPA R3	[signature] 215.814.5761
4.	Kyle	Zieba	" "	[signature]
5.	Bobby	Jacobsen	EPA Contractor	[signature]
6.	Kaitlin	McCann	EPA R3	[signature]
7.	Barry	Polley	VDOT	[signature]
8.	James	Wright	VDOT	[signature]
9.	John	Olenik	VDOT	[signature]
10.	[illegible]	Mills	VDOT	[signature]
11.	Stephen	Harless	EEE Consulting	[signature]
12.	Ed	Williford		
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				